AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Current amended) A computer system for parsing XML, the system comprising:

a scanner that parses an XML stream to locate at least one XML token associated with an XML item, the XML stream includes information from at least two data stores;

a reader that selectively pulls the XML item from the XML stream; and

a retriever that retrieves information associated with the pulled XML item and exposes data model and/or Infoset information associated with the pulled XML item.

2.   (Previously presented) The system of claim 1, the XML item is one of a start token, an end token, markup, content, an entity reference, an external reference, an element, a tag, character data, an attribute, a CDATA section, a comment and a processing instruction.

3.   (Previously presented) The system of claim 1, further comprising a checker that determines whether the pulled XML item is well-formed.

4.   (Previously presented) The system of claim 1, further comprising a validator that determines whether the pulled XML item is valid.

5.   (Previously presented) The system of claim 1, the scanner:

facilitates navigating a virtual node in a stream of XML nodes; and

resolves an external reference in the XML stream.

6-7.   (Cancelled).

8.   (Previously presented) The system of claim 1, the reader selectively pulls an XML node from the stream of XML nodes based, at least in part, on data provided to the reader by a parse requestor.

9.   (Cancelled).

10.   (Previously presented) The system of claim 3, the checker determines whether the pulled XML item is well-formed based, at least in part, on comparing the pulled XML item to one or more syntax documents.

11.   (Previously presented) The system of claim 4, the validator determines whether the pulled XML item is valid based, at least in part, on comparing the XML item to one or more DTD, schema, and external data representation documents.

12.   (Previously presented) The system of claim 1, at least one of the scanner, the reader and the retriever is an object.

13-15. (Cancelled).

16.   (Currently amended) A computer implemented method for parsing XML, the method comprising:

        instantiating a pull model parser;

        establishing a state associated with the pull model parser;

        accepting a parse request;

        selectively pulling an XML item from an XML stream comprising data from at least two data stores based, at least in part, on the parse request;

        exposing data model and/or Infoset information associated with the pulled XML item; and

        updating the state based on the selectively pulled XML item.

17.   (Original) The method of claim 16 further comprising checking the pulled XML item to determine whether it is well-formed.

18.   (Original) The method of claim 17 where determining whether the pulled XML item is well-formed comprises comparing the pulled XML item to one or more syntax documents.

19.   (Original) The method of claim 16 further comprising checking the pulled XML item to determine whether it is valid.

20.   (Original) The method of claim 19 where determining whether the pulled XML item is valid comprises comparing the pulled XML item to at least one of a DTD, a schema and an external data representation.

21.   (Cancelled).

22.   (Original) The method of claim 16 where instantiating the pull model parser comprises:
        associating a stream with the pull model parser; and
        initializing a scanner adapted to facilitate navigating within the stream.

23.   (Original) The method of claim 16 where establishing the state associated with the pull model parser comprises:
        associating a state machine with the pull model parser; and
        establishing an initial state position within the state machine.

24.   (Previously presented) The method of claim 16 where selectively pulling an XML item further comprises:

   positioning a virtual node over an XML node within a stream of input XML nodes; and

   selectively extracting an XML item from the XML node over which the virtual node is positioned; and

   resolving an external reference in the XML item.

25.   (Cancelled).

26.   (Previously presented) The method of claim 16 where updating the state based on the selectively pulled XML item comprises repositioning the state position within a state machine.

27.   (Currently amended) A computer readable medium having a tangible component that stores storing computer executable instructions for a method for parsing XML, the method comprising:

  operably connecting a pull model parser and a state machine;

  establishing an initial state in the state machine;

  accepting a parse request;

  selectively pulling [[an]] a first XML item identified in the parse request from a first data store;

  based at least in part on the first XML item, selectively pulling a second XML item from a second data store;

  exposing Infoset and/or data model information associated with the pulled first and second XML items;

  maintaining the state machine in response to one or more events associated with parsing and/or pulling the pulled first and second XLM items;

  checking the pulled first and second XML items to determine whether [[it is]] they are well-formed; and

  checking the pulled first and second XML items to determine whether [[it is]] they are valid.

28-43 (Cancelled).